

Introducing Full HD for the most realistic video communications experience ever



Experience Superior Communication

Experience the world's first, Full HD video communications system. One look and you can see for yourself that the LifeSize® difference is the LifeSize experience - superior video experiences across cities, countries and continents.

With the LifeSize Room 200 solution, you get every bit of quality available today, with Full High Definition, standards-based 1080p30 for the highest available resolution and 720p60 for the best motion handling with lower latency. Plus, an embedded 6-way Continuous Presence multipoint bridge (with 4 visible participants), complete with transcoding and all digital I/O in a compact, sleek unit that's less than half the size of comparable solutions.

Flexibility is enhanced, since our exemplary attention to the human interface ensures that the LifeSize Room 200 system is easy to use. And because we're committed to open architecture, proven LifeSize interoperability provides full integration into your existing communications infrastructure.

You also get unprecedented bandwidth/performance:

- 768kbps for 720p30
- 1.1Mbps for 720p60
- 1.7Mbps for 1080p30

In today's world, better than being there.

In addition to technology, service and support, LifeSize offers the most interactive, face-to-face video communications experience you can get. In fact, the LifeSize Room 200's exceptional quality and user simplicity now make remote communications a more productive, true-to-life experience. And like all LifeSize products, LifeSize Room 200 delivers superior quality of experience, unique flexibility and unmatched price performance.

LifeSize Room 200 Key Features

Video Quality

Full High Definition Standards-based
1920x1080 - 30fps
1280x720 - 60fps

HD Monitors



HD Cameras Pan-Tilt-Zoom (PTZ)



HD Audio



External Audio, Video & Data Input/Output

Audio: 4 in, 2 out
Video: 6 in, 2 out
Data: 1 in, 1 out

Point-to-Point HD Video Communications



Embedded Continuous Presence (CP) HD Multipoint



Embedded Voice Activated Switching (VAS) HD Multipoint



Product Specifications - LifeSize® Room 200™

System Components

LifeSize codec with stand
High Definition PTZ LifeSize Camera 200
LifeSize Phone
New wireless remote control
Power Supply
Cables

Communications

128Kbps – 6.0Mbps (point-point)
128Kbps – 2.0Mbps (multipoint, per call)
H.323, SIP
1xRJ-45 Network LAN (10/100 Mbps)
1xRJ-45 for LifeSize Phone (PoE supported)
1xRJ-45 for LifeSize Networker (PoE supported)
1xRJ-11 for analog telephone line
1x3.5mm Mic In for LifeSize MicPod

Support for Multiple HD Displays

Support for Multiple HD Displays
Any display supporting HDMI or DVI-I input up to 1080p30, 1080i60 and 720p60
For additional information on displays, visit: www.lifesize.com/support

High Definition 1080p30/720p60 PTZ Camera

LifeSize-designed HD 1080p30/720p60 pan/tilt/zoom camera (patent pending)
Maximum Resolution: 1920x1080, 30fps
Maximum Frame Rate: 60fps at 1280x720p
Support for multiple HD cameras including standard LifeSize Camera via firewire
Support for two active camera sources at 720p30
Wide-angle zoom lens with 70 degree field of view
4x Optical Zoom / 4x Digital Zoom
Auto focus
Automatic gain control
10 camera presets (near or far end)
Standard 3.0M HDMI cable
Support for Sony EVI-HD1 HD camera (optional)

Video Specifications/Video Resolutions

Maximum resolutions widescreen 16:9 aspect ratio
All resolutions progressive scanning
All resolutions at 30 frames per second except 60 frames per second where noted
384Kbps (912x512pixels) DVD resolution
512Kbps (1024x576pixels)
768Kbps(1280x720pixels) High Definition
1.1Mbps (1280x720pixels @ p60) High Definition
1.7Mbps or higher (1920x1080pixels) High Definition
Actual resolution depends on capability of remote end and is impacted by the quality of the communication channel

Video Standards

H.261, H.263, H.263+, H.264, and H.239 compliant
Support for multiple dual live streaming modes:
1080p30 and 720p5
720p60 and 720p5
720p30 and 720p30

Video Formats

16:9 High Definition aspect ratio

Video Inputs (6 Inputs)

1 x High Definition Camera (720p30)
2 x HD Video In (1080p30/720p60)
1 x DVI-I In (VGA enabled)
1 x Component In or 1 x Composite In
1 x S-Video In

Video Outputs (2 Outputs)

1 x HD Video Out (1080p30/720p60)
1 x DVI-I Video Out (1080p30/720p60)

Fully Integrated, HD Audio Conference Phone

LifeSize-designed full featured conference phone doubles as the microphone for video system
16 microphones in a patent-pending Circular Array with beam forming for clear audio pickup
100Hz up to 16kHz
H.323/SIP support
Stand alone phone option using VoIP
Powered by codec directly though cable

Audio Features

High Definition Audio
GIPS NetEQ packet loss concealment
Full duplex for natural conversations
Echo cancellation for echo-free calls
Automatic gain control
Automatic noise reduction
MicPod or Dual MicPod support (optional)

Audio Standards

G.711, G.722, G.722.1C (Polycom® Siren 14™), G.728, G.729, MPEG4-AAC-LC

Audio Inputs (4 Inputs)

1 x RJ-45 (LifeSize Phone)
2 x Stereo Line In (3.5mm)
1 x Mic In – Two Channel (3.5mm)

Audio Outputs (2 Outputs)

1 x RJ-45 (LifeSize Phone)
1 x Stereo Line Output (3.5mm)

User Interface & Features

Context sensitive user interface
Graphical User Interface Call Manager
14 Localized languages supported
Customizable background screens
Do Not Disturb (DND)

Security

Flash-based Web management tool
Admin and User level password
SNMP security alerts
Ability to disable HTTP, SSH and Telnet services
H.235 encryption support including strict compliance
Kensington Lock™

Intelligent Networking Features

Adaptive Motion Control (AMC) including Forward Error Correction (FEC)
NAT/Firewall Traversal (H.460/SIP)
IP v4 and IPv6 support
Auto H.323 dialing
When used with LifeSize Networker:
H.320 dialing
Auto SPID detect/downspeeding

Directory and Address Book

Up to 1000 local directory entries
Save, Lock, Remove Redial List features
Missed call notification
Auto-Discovery directory lookup (patent pending)
LDAP support / H.350 compliant

Meetings Directory support
Hierarchical address book
Embedded HD Multipoint Control Unit
6-way HD CP multipoint conference with up to 4 visible participants
Support for Dominant Speaker icon
6-way HD VAS multipoint conference
Transcoding support
Virtual Multiway allows participant viewing control (patent pending)
H.239 multipoint support shared from any participant
Disable multipoint option
System Management
Out of box setup via web interface and management
SNMP
1 x DB-9 RS-232 port configurable as control
1 x USB (for future use)
Backup and Restore capability

Power

AC Voltage 100-240V, 50-60 Hz, 2.5A via external power supply

Environmental Data

Operating temperature: 0°C (32°F) to 40°C (104°F)
Operating Humidity: 15% to 85%, non-condensing
Storage temperature: -20°C (-4°F) to 60°C (140°F)
Storage humidity: 10% to 90%, non-condensing

Regulatory Model Number

Model: LifeSize Room 200 = LFZ-015

For additional information: www.lifesize.com/support

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